Alan Nguyen

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Education

B.S. Mathematics-Computer Science
Minor in Economics
University of California, San Diego
Graduated in Spring 2019

Experience

McGraw-Hill Education ALEKS - Content Programmer
November 2019 - PRESENT

- Developed and maintained web-based math programs using interactive learning tools. Debugged existing applications using JIRA. Conducted peer reviews.
- Implemented accessibility features through JAWS screen-readability and color-blind usability.
- Designed and developed a global excel sheet display feature, interfaced in numerous statistics suite items.

Techcet CA, LLC - Software Engineering Intern
September 2017 - August 2018

- Developed a web scraping program that extracts financial data from sec.gov to calculate Altman Z-scores using the Python library beautiful soup 4.
- Designed and created techcet.com, cmcfabs.org, and criticalmaterials.org using HTML and CSS. Hosted on WordPress and HostGator.

Application Developments

Scraped Image Slideshow

- Uses scraped images and presents them as a slideshow. Image scraper written in python using the Beautiful soup library, and presented in React.js.

Task Manager

- A REST API application written in HTML, CSS, and Javascript using node.js.
- Displays client side content using AJAX and uses MySQL to create, read, update and delete JSON data.

Space Kitty

- A side-scroller game on Android, desktop and web browser. Written in Java using libGDX game development framework.